

Nestin

Monoclonal ANTIBODY

 Catalog Number: 66259-1-Ig **2 Publications**

Basic Information

Catalog Number:
66259-1-Ig

Size:
206 µg/150 µl

Source:
Mouse

Isotype:
IgG2b

Purification Method:
Protein A purification

Immunogen Catalog Number:
GenBank Accession Number:
NM_006617

GeneID (NCBI):
10763

Full Name:
nestin

Calculated MW:
177 kDa

Observed MW:
150-170 kDa

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:1000

IF 1:20-1:200

Applications

Tested Applications:
ELISA, WB, IHC, IF

Cited Applications:
IF, IHC, WB

Species Specificity:
human, mouse, rat

Cited Species:
human

Positive Controls:

WB : Neuro-2a cells; HEK-293 cells, rat brain tissue

IHC : human gliomas tissue;

IF : U-251 cells;

Background Information

Nestin, also named as NES and Nbla00170, is a class VI intermediate filament protein expressed in stem cells of the central nervous system (CNS) but not in mature CNS cells. Its expression is used extensively as a marker for neural lineage cells derived from human embryonic stem (hES) and induced pluripotent stem (iPS) cells. Nestin is also expressed in non-neural stem cell populations such as pancreatic islet progenitors and hematopoietic progenitors.

Notable Publications

Author	Pubmed ID	Journal	Application
Wen Wen	28905239	J Mol Histol	IF, IHC, WB
Hee Yeon Kim	27523287	Reprod Toxicol	

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

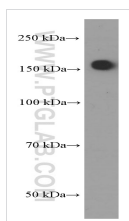
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T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

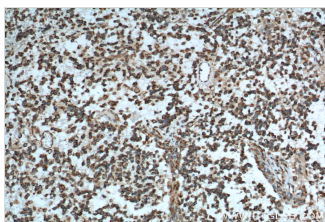
 E: proteintech@ptglab.com
 W: ptglab.com

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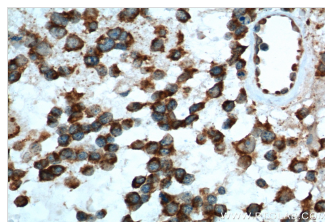
Selected Validation Data



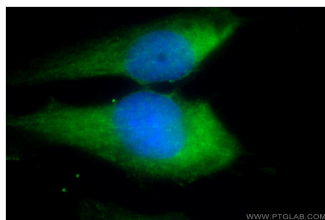
Neuro-2a cells were subjected to SDS PAGE followed by western blot with 66259-1-Ig(Nestin Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours



Immunohistochemistry of paraffin-embedded human gliomas tissue slide using (Nestin Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemistry of paraffin-embedded human gliomas tissue slide using (Nestin Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (10% Formaldehyde) fixed U-251 cells using 66259-1-Ig(Nestin antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L)